Chevron

marine lubricants

Ulti-Plex® Synthetic EP

Description

Ulti-Plex® is a high performance, high temperature industrial and automotive EP grease specially formulated from an ISO 320 synthetic base oil, lithium complex thickener, EP additives, a tackiness agent and special corrosion and oxidation inhibitors. For EP ball and roller bearing applications, especially in continuous high temperature service up to 230° where conventional greases tend to harden, or low temperature conditions down to –30°C where conventional greases are no longer pumpable.

Typical Characteristics

NLGI Grade	**1.5**
MPID	**219412**
Dropping Point, °C	280
Oil Viscosity,	
mm²/s @ 40°C	405.0
mm²/s @ 100°C	41.0
Penetration, Worked @ 25°C	–315
Viscosity Index	150
Thickener (Lithium Complex), m %	13
Timken OK Load, kg	23

Recommended Applications

Due to the heavy base oil viscosity and adhesive properties of Ulti-Plex, it is recommended that a heavy follower plate be used in air-driven grease pumps. Depending on pipe sizing and distance, pumping rates will be lower than for conventional greases of the same NLGI grade. It may be necessary to use Ulti-Plex where pumpability is a primary requirement.

Application can include: pulp and paper applications (high temperature felt roll bearings, lime kilns, sludge press bearings, pulp refiner bearings and pump and exhaust fan bearings), steel industry applications (roll bearings, conveyor bearings, furnace and coiler grease points and pump and exhaust fan bearings), mining industry (conveyor bearings, pins and bushings on buckets and loaders, shaker screens and crushers) and marine (deck equipment, shaft bearings, crane and windlass winches, water exposed bushings, wire ropes).

Operating temperature: –30°C up to 230°C.

Ulti-Plex Synthetic EP Meets The Requirements Of:

- ☑ **DIN 51502** KPHC2N-30
- ☑ **ISO 6743-9** L-XCDEB 2

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Performance Benefits

1. Long Bearing Service Life

Combination of a lithium complex thickener, oxidation inhibitor, and synthetic base oil helps provide resistance to hardening in service. EP additives provide good wear protection under heavy and/or shock loads. Effective rust and corrosion inhibitors help protect metal surfaces in wet conditions.

2. Wide Temperature Range Application

The high viscosity index synthetic base oil resists thickening at low temperatures and enables use over a wide temperature range. The oxidation stability of the base fluid components enables operation in continuous high temperature environments.

3. Protects Against Equipment Failure

High viscosity index synthetic base oil and tackiness additive maintain oil viscosity and provide adhesive properties which help prevent oil leakage in high speed and high temperature conditions.

4. Superior Water Resistance

Lithium complex thickener and tackiness additive produces good resistance to water washout.

Environment, Health And Safety

Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product visit chevronmarineproducts.com.

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